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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/555,269	11/01/2005	Johannes Van Nieuwenburg	NL 030454	4509
65913 NXP , B.V.	7590 09/22/200	8	EXAM	IINER
NXP INTELLE	ECTUAL PROPERTY	VUONG, QUOCHIEN B		
M/S41-SJ 1109 MCKAY DRIVE			ART UNIT	PAPER NUMBER
SAN JOSE, CA	95131	2618		
			NOTIFICATION DATE	DELIVERY MODE
			09/22/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

		Application No.	Applicant(s)			
		10/555,269	NIEUWENBURG,	JOHANNES VAN		
Office Action S	ummary	Examiner	Art Unit			
		Quochien B. Vuong	2618			
The MAILING DATE o Period for Reply	f this communication ap	pears on the cover sheet with the c	orrespondence ad	ldress		
WHICHEVER IS LONGER, - Extensions of time may be available u after SIX (6) MONTHS from the mailir - If NO period for reply is specified abo - Failure to reply within the set or exten	FROM THE MAILING D under the provisions of 37 CFR 1. ng date of this communication. ve, the maximum statutory period ded period for reply will, by statut than three months after the mailir	LY IS SET TO EXPIRE 3 MONTH(DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE and date of this communication, even if timely filed	J. hely filed the mailing date of this c ○ (35 U.S.C. § 133).	·		
Status						
1) Responsive to commu	inication(s) filed on <u>19 J</u>	lanuarv 2008.				
2a) This action is FINAL .		s action is non-final.				
<u>′</u>						
closed in accordance	with the practice under	Ex parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.			
Disposition of Claims						
4)⊠ Claim(s) <u>1-14</u> is/are pe	ending in the application	1 .				
4a) Of the above claim	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)	allowed.					
6)⊠ Claim(s) <u>1-4 and 10-1</u> -)⊠ Claim(s) <u>1-4 and 10-14</u> is/are rejected.					
7)⊠ Claim(s) <u>5-9</u> is/are obj	☑ Claim(s) <u>5-9</u> is/are objected to.					
8)☐ Claim(s) are su	bject to restriction and/o	or election requirement.				
Application Papers						
9)☐ The specification is obj	ected to by the Examin	er.				
10)⊠ The drawing(s) filed on <u>19 January 2008</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
Applicant may not reque	st that any objection to the	e drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)∐ The oath or declaration	n is objected to by the E	xaminer. Note the attached Office	Action or form P7	ГО-152.		
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
	1. Certified copies of the priority documents have been received.					
<u>=</u>	2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
		· · · · · · · · · · · · · · · · · · ·				
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent D		Paper No(s)/Mail Da 5) Notice of Informal P				
Information Disclosure Statement Paper No(s)/Mail Date	ατοπτηφηιοαποιτ					

DETAILED ACTION

This action is in response to applicant's response filed on 01/09/2008. Claims 114 are now pending in the present application.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4 and 10-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Hyakutake (US 4,933,767).

Regarding claim 1, 12 and 13, Hyakutake discloses a demodulator (figure 6), an apparatus comprising the demodulator and a method arranged to demodulate a first signal with the aid of a second signal, the demodulator comprising: a first bandpass filter (53) arranged to recover the first signal from a received signal; and a second bandpass filter (51) arranged to recover the second signal from a received signal; in which the passband of the second bandpass filter is substantially narrower than the passband of the first bandpass filter (figures 6, 7, 9, and 10; column 4, lines 28-46).

Regarding claim 2, Hyakutake discloses wherein the demodulator comprises compensation means (69) for compensating phase error between the recovered first and second signals (column 6, lines 7-26).

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Regarding claim 3, Hyakutake discloses wherein the compensation means comprises a delay element that is arranged to delay the recovered first signal (column 6, lines 7-26).

Regarding claim 4, Hyakutake discloses wherein the compensation means comprises a phase shifter (69) that is arranged to shift a phase of the recovered first signal, the phase shift being dependent upon the phase difference between the recovered second signal and a reference signal (column 6, lines 7-26).

Regarding claim 10, Hyakutake discloses wherein the demodulator further comprises a phase locked loop (see figures 6 and 9) for stabilizing the recovered second signal (column 4, lines 28-46).

Regarding claim 11, Hyakutake discloses wherein the recovered second signal is used for frequency down converting at least a third signal (figures 6 and 9; column 4, lines 28-46).

Regarding claim 14, Hyakutake discloses a mixer connected to the first and second bandpass filters to mix the first signal and the second signal (figures 6 and 9; column 4, lines 28-46).

Allowable Subject Matter

3. Claims 5-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

4. Applicant's arguments with respect to claims 1-4 and 10-14 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quochien B. Vuong whose telephone number is (571) 272-7902. The examiner can normally be reached on M-F 9:30-18:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.